Paragon II System Controller

User Guide

V1.1

Raritan Computer Inc.
400 Cottontail Lane
Somerset, NJ 08873
USA
Tel. 1-732-764-8886
Fax. 1-732-764-8887
E-mail: sales@raritan.com
http://www.raritan.com/

Raritan Computer Europe, B.V.
Eglantierbaan 16
2908 LV Capelle aan den IJssel
The Netherlands
Tel. 31-10-284-4040
Fax. 31-10-284-4049
E-mail: sales.europe@raritan.com
http://www.raritan.com/

Raritan Computer Japan, Inc.
4th Flr. Shinkawa NS Building
1-26-2 Shin-kawa, Chuo-ku
Tokyo 104-0033
Japan
Tel. 81-03-3523-5991
Fax. 81-03-3523-5992
E-mail: sales@raritan.co.jp
http://www.raritan.co.jp

Raritan Computer Taiwan, Inc.
5F, 121, Lane 235,
Pao-Chiao Rd., Hsin Tien
Taipei Hsien
Taiwan, ROC
Tel. 886-2-8919-1333
Fax. 886-2-8919-1338
E-mail: sales.asia@raritan.com
http://www.raritan.com.tw

Raritan Computer France
120 Rue Jean Jaures
93200 Levallois-Perret
France
Tel. 33-14-756-2039
Fax. 33-14-756-2061
E-mail: sales.france@raritan.com
http://www.raritan.fr

Raritan Computer Deutschland GmbH
Lichstraße 2
D-45127 Essen
Germany
Tel. 49-201-747-9820
Fax. 49-201-747-9850
E-mail: sales.germany@raritan.com
http://www.raritan.de

Raritan Computer U.K. Ltd.
36 Great St. Helen's
London
EC3A 6AP
United Kingdom
Tel. 44-20-7614-7700
Fax. 44-20-7614-7701
E-mail: sales.uk@raritan.com
http://www.raritan.com

Shanghai Representative Office of Raritan Computer, Inc.
RM 19C-1 Shanghai Shiye Building
18 Caoxi North Road
Shanghai China 2000030
Tel. 86-21-64680475
Fax. 86-21-64627964
E-mail: sales.asia@raritan.com
http://www.raritan.com.tw/

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System Requirements

Your system must meet these minimum requirements in order to run the Paragon II System Controller Admin program:

CPU: 1.5 GHz processor

Memory: 256MB

Operating System: Windows 2000 SP4 or Windows XP SP2

Other: Java Runtime Environment 1.4.2_03 or later (except version 1.5)

For assistance in the U.S., please contact the Raritan Technical Support Team
by telephone (732) 764-8886, by fax (732) 764-8887), or by e-mail tech@raritan.com
Ask for Technical Support – Monday through Friday, 8:00am to 8:00pm, EST.

For assistance outside the U.S., please contact your regional Raritan office.

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Contents

Chapter 1: Installation and Configuration 1
Installation 1
Configuring the Paragon II System Controller 2
Further Configuration and Administration 4
Configure 5
View Status 6
Restart or Shutdown 6
Diagnostics 7
Adding the Paragon II System Controller to CommandCenter 8

Chapter 2: Paragon II System Controller Admin 13
Customize the System Controller Admin Window 13
System Controller Admin Toolbar 15
Multi Function View (MFV) Panel 16
Device Panel 17
Device View 17
View by Channel 17
View by Type 18
Adding Paragon II Base UMTs to the System Controller 18
Channel Information Editor 19
Log Panel 20
Edit Event Log Settings 20
Power Strip Panel 21
Editing Power Strips and Power Outlets 21
Power Strip Outlet Associations 22
User Panel 24
Create a User 24
Delete a User 25
View User Properties 26
Save User Profile 26
Load User Profile 27
Disconnect and Exit System Controller Admin 27

Appendix A: Configuring Attached IP-Reach and USTIP Units 29

Appendix B: Device Backup and Restore 31
Backup a Paragon II System Controller: 31
Restore a Paragon II System Controller: 32

Appendix C: Upgrading Paragon II System Controller 33

Appendix D: FAQs 35

Figures

Figure 1 The Paragon II System Controller....1
Figure 2 Welcome Screen on First Launch....2
Figure 3 Network Configuration Screen....2
Figure 4 PIISC Login Screen....4
Figure 5 PIISC Main Menu....4
Figure 6 PIISC Network Configuration Screen....5
Figure 7 PIISC Status Screen....6
Figure 8 PIISC Diagnostic Screen....7
Figure 9 Add Device Selection Screen....8
Figure 10 Add Device Screen for PIISC....8
Figure 11 Launching the System Controller Admin....9
Figure 12 Paragon II System Controller Admin layout....9
Figure 13 Adding a base UMT in the Paragon System Configuration Window....10
Figure 14 Adding ports from a Paragon II system....11
Figure 15 PIISC Admin Window....13
Figure 16 View Menu (check marks indicates panels in view)....13
Figure 17 MFV Displaying Channel Data....16
Figure 18 MFV Displaying User Data....16
Figure 19 Device Tree - View by Channel....17
Figure 20 Device Tree - View by Type....18
Figure 21 Paragon System Configuration window....18
Figure 22 Channel Information Editor....19
Figure 23 Edit Log Settings Window....20
Figure 24 Power Strip View Window....21
Figure 25 Power Strip Information Editor....21
Figure 26 Outlet Information Window....22
Figure 27 Associating a Device with a Power Outlet....23
Figure 28 Add User Window....24
Figure 29 Change Password Window....25
Figure 30 User Information Window....26
Figure 31 Select Destination Path Window....26
Figure 32 Confirm Load User Profile Window....27
Figure 33 Launching the Admin utility for an attached KVM over IP device....29
Figure 34 A list of KVM over IP devices used by the Paragon II System Controller....29
Figure 35 The Admin screen for a selected KVM over IP Device....30
Figure 36 Backup Device Screen....31
Figure 37 Restore Device Screen....32
Figure 38 Upgrade Devices Screen....33

Chapter 1: Installation and Configuration

Installation

Important! Each Paragon II System Controller can support up to eight (8) base UMTs. Additional UMTs will require additional PIISC units. Each unit must be on its own separate subnet.

Figure 1 The Paragon II System Controller

1. Attach the included AC power cord to the power port on the rear panel of the Paragon II System Controller (PIISC). Plug the other end or the cord into an AC power outlet.
2. Connect a monitor, keyboard and mouse to the ports on the rear panel of the PIISC.
3. Connect a standard Ethernet cable (included) from the network port to an Ethernet switch, hub or router.
4. Power ON the PIISC unit and the connected monitor.

Configuring the Paragon II System Controller

The first time you boot a Paragon II System Controller, you will be greeted with the Welcome Screen.

Welcome to Paragon II System Controller
Paragon II System Controller has not been configured. Minimal configuration requirements to make Paragon II System Controller operational include entry of named-user software key codes and assignment of an IP address.
Following the Setup Wizard is the simplest way to perform the configuration requirements needed to start working with Paragon II System Controller.
Press B to begin the Setup Wizard.
Press X to bypass the Setup Wizard and proceed to the Main Menu.

Figure 2 Welcome Screen on First Launch

1. Press <**B**> to start the Setup Wizard. The **Network Configuration** screen appears. Set the desired Network configuration parameters here using the <**Tab**>, [↑], or [↓] keys to select each line and the <**Space**>, [←], or [→] keys to toggle between selectable values. Press the <**Enter**>, <**Tab**>, or [↓] keys when your entry on each line is complete.

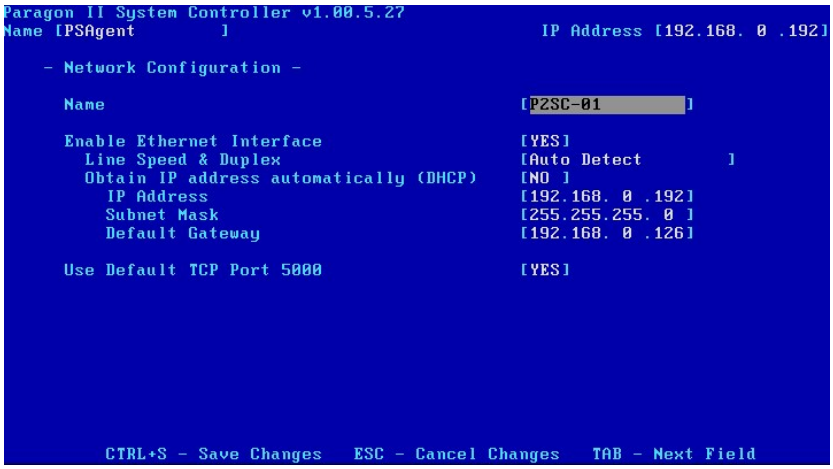
Paragon II System Controller v1.00.5.27
Name [PSAgent] IP Address [192.168. 0 .192]
- Network Configuration -
Name [P2SC-01]
Enable Ethernet Interface [YES]
Line Speed & Duplex [Auto Detect]
Obtain IP address automatically (DHCP) [NO]
IP Address [192.168. 0 .192]
Subnet Mask [255.255.255. 0]
Default Gateway [192.168. 0 .126]
Use Default TCP Port 5000 [YES]
CTRL+S - Save Changes ESC - Cancel Changes TAB - Next Field

Figure 3 Network Configuration Screen

- **Name**: Designate a unique name for this System Controller unit, for example, "Miami Data Center."
- **Enable Ethernet Interface**: Designates whether PIISC should enable its Ethernet adapter (default: YES).
  - **Line Speed & Duplex**: Auto detect, 10 Mbps/Full Duplex, 10 Mbps/Half Duplex, 100 Mbps/Full Duplex, or 100 Mbps/Half Duplex
  - **Obtain IP address automatically (DHCP)**:
    - **YES**: Enables dynamic IP addressing for the Paragon II System Controller. Each time PIISC boots, it requests an IP address from the local DHCP server. Note that this setting can make adding a PIISC to CommandCenter difficult since the dynamically assigned IP address must be known to find it.
    - **NO (default)**: Assigns a fixed IP address to the Paragon II System Controller (recommended).
      - **IP Address**: Enter the assigned IP address here.
      - **Subnet Mask**: Enter the Subnet Mask for the PIISC.
      - **Default Gateway**: Enter the Default Gateway for the PIISC if needed.

- **Use Default TCP Port 5000:** Designates whether PIISC should default to TCP Port 5000 (default: YES).

2. Press <**Ctrl**+**S**> to save the changes on this screen and return to the Main Menu.
3. You will be prompted to reboot the Paragon II System Controller. Reboot the PIISC from the Main Menu (see the section **Further Configuration and Administration, Restart or Shutdown** in this chapter).

After you finish PIISC configuration and reboot, all of the information you have just entered is available to your CommandCenter unit. You can now add the PIISC as a Device in your CommandCenter application (see the section **Adding Paragon II System Controller to CommandCenter** in this chapter).

Further Configuration and Administration

Note: *This section only applies if you are accessing the local admin interface for further PIISC configuration.*

1. After rebooting or subsequent powering on of a Paragon II System Controller, you will be greeted by the PIISC login screen. Enter the default user name **admin** and the default password **raritan** then press <**Enter**>.

Paragon II System Controller v1.00.5.27
Name [P2SC-01]
IP Address [192.168. 0 .192]
Welcome to Paragon II System Controller
User Name [ ]
Password [ ]

Figure 4 PIISC Login Screen

2. When the Main Menu appears, you can use the [↑] and [↓] arrow keys or type the letter in brackets to highlight an option. The <**Enter**> key selects the highlighted option.

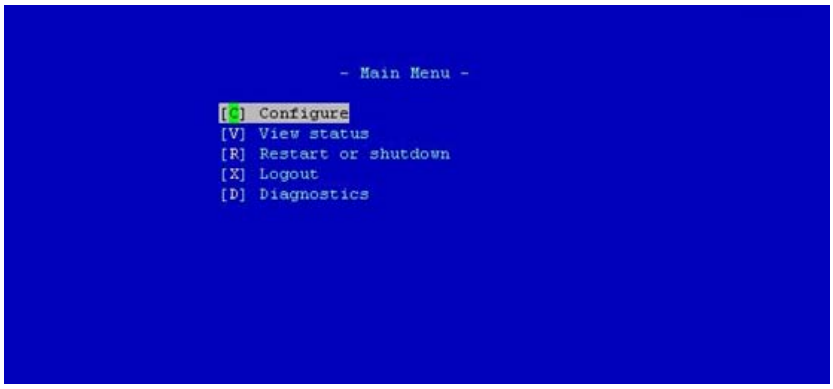

Figure 5 PIISC Main Menu

Configure

1. From the Main Menu, select **Configure** then press the <**Enter**> key.
2. The PIISC Network Configuration Screen appears. Set the desired Network configuration parameters here using the <**Tab**>, [↑], or [↓] keys to select each line and the <**Space**>, [←], or [→] keys to toggle between selectable values. Press the <**Enter**>, <**Tab**>, or [↓] keys when your entry on each line is complete, or press **<Esc>** at any time to exit **Network Configuration** without saving changes.

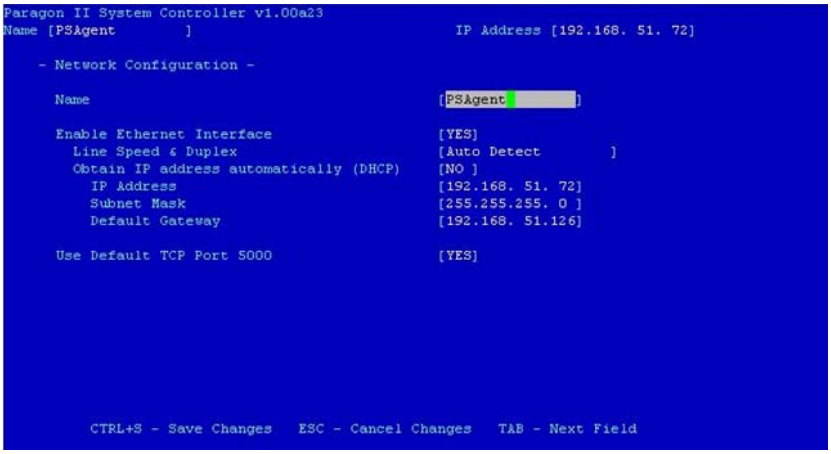
Paragon II System Controller v1.00a23
Name [PSAgent]
IP Address [192.168. 51. 72]
- Network Configuration -
Name [PSAgent]
Enable Ethernet Interface [YES]
Line Speed & Duplex [Auto Detect]
Obtain IP address automatically (DHCP) [NO]
IP Address [192.168. 51. 72]
Subnet Mask [255.255.255. 0]
Default Gateway [192.168. 51.126]
Use Default TCP Port 5000 [YES]
CTRL+S - Save Changes ESC - Cancel Changes TAB - Next Field

Figure 6 PIISC Network Configuration Screen

- **Name**: Designate a unique name for this System Controller unit, for example, "Miami Data Center."
- **Enable Ethernet Interface**: Designates whether PIISC should enable its Ethernet adapter (default: YES).
  - **Line Speed & Duplex**: Auto detect, 10 Mbps/Full Duplex, 10 Mbps/Half Duplex, 100 Mbps/Full Duplex, or 100 Mbps/Half Duplex
  - **Obtain IP address automatically (DHCP)**:
    - **YES**: Enables dynamic IP addressing for the Paragon II System Controller. Each time PIISC boots, it requests an IP address from the local DHCP server. Note that this setting can make adding a PIISC to CommandCenter difficult since the dynamically assigned IP address must be known to find it.
    - **NO (default)**: Assigns a fixed IP address to the Paragon II System Controller (recommended).
      - **IP Address**: Enter the assigned IP address here.
      - **Subnet Mask**: Enter the Subnet Mask for the PIISC.
      - **Default Gateway**: Enter the Default Gateway for the PIISC if needed.
- **Use Default TCP Port 5000:** Designates whether PIISC should default to TCP Port 5000 (default: YES).

3. Press <**Ctrl**+**S**> to save the changes on this screen and return to the main menu.
4. You will be prompted to reboot the Paragon II System Controller. Reboot the PIISC from the Main Menu (see the section ***Restart or Shutdown*** below).

Important: After configuring PIISC with this data and saving it, you MUST reboot the PIISC unit in order to save this data to the system.

View Status

To view the status of the PIISC unit and a list of events that have occurred such as new or changed ports, device restarts and other activities, use the **View Status** option on the PIISC Main Menu.

1. From the main menu, select the **View status** option using the [↑] and [↓] keys (or by pressing <**V**>) and press <**Enter**>. The Status screen appears:

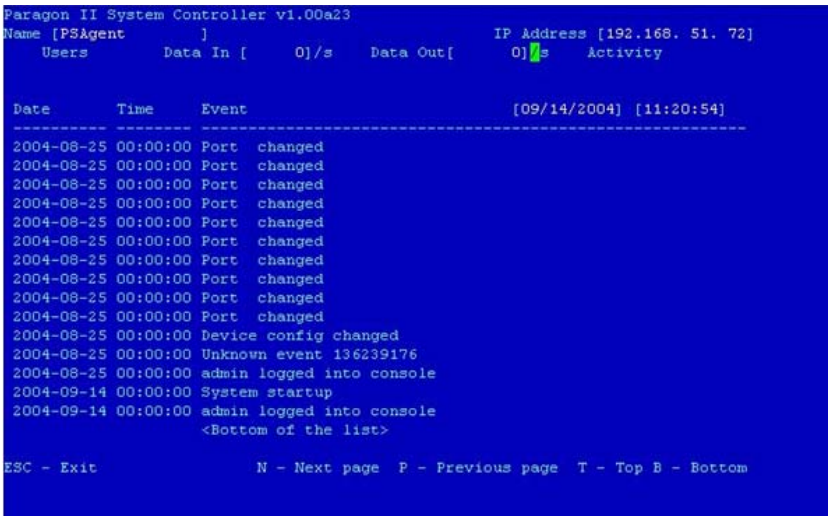
Paragon II System Controller v1.00a23
Name [PSAgent]
IP Address [192.168. 51. 72]
Users
Data In [0]/s
Data Out[0]/s
Activity
Date Time Event [09/14/2004] [11:20:54]
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Port changed
2004-08-25 00:00:00 Device config changed
2004-08-25 00:00:00 Unknown event 136239176
2004-08-25 00:00:00 admin logged into console
2004-09-14 00:00:00 System startup
2004-09-14 00:00:00 admin logged into console
<Bottom of the list>
ESC - Exit
N - Next page P - Previous page T - Top B - Bottom

Figure 7 PIISC Status Screen

2. You can use the <**T**> and <**B**> keys to jump to the top and bottom of the event list respectively. If the event list spans multiple pages, press <**N**> to move to the next page and <**P**> to move to the previous one. When you are done, press <**Esc**> to return to the Main Menu.

Restart or Shutdown

1. From the main menu, select **Restart or Shutdown** using the [↑] and [↓] keys (or by pressing <**R**>) and press <**Enter**>.
2. You are given the option to restart or shut down the Paragon II System Controller. Press <**R**> to restart the unit, <**S**> to shut it down or <**Esc**> to cancel and return to the Main Menu.

Diagnostics

To perform network communications, ping devices, start or track a log and other diagnostics for the PIISC unit, log on to the PIISC.

1. From the main menu, select Diagnostics using the [↑] and [↓] keys (or by typing the letter <**D**>), and press <**Enter**>. The Diagnostic Console appears:

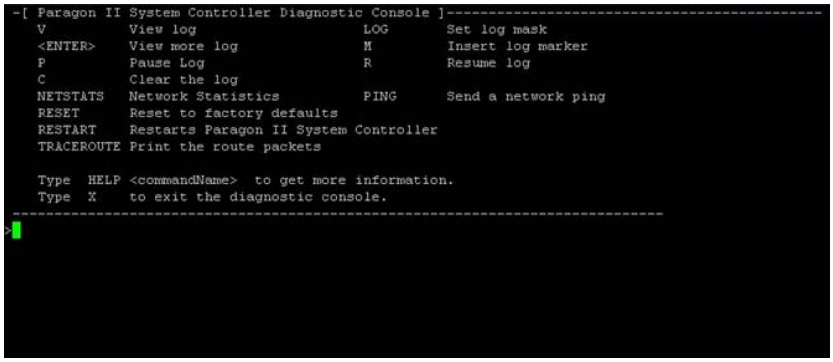
-[Paragon II System Controller Diagnostic Console]
V View log LOG Set log mask
<ENTER> View more log M Insert log marker
P Pause Log R Resume log
C Clear the log
NETSTATS Network Statistics PING Send a network ping
RESET Reset to factory defaults
RESTART Restarts Paragon II System Controller
TRACEROUTE Print the route packets
Type HELP <commandName> to get more information.
Type X to exit the diagnostic console.
>

Figure 8 PIISC Diagnostic Screen.

2. Use the commands displayed on this screen to execute the diagnostics you want to perform.
3. When finished, type the letter <**X**> and press <**Enter>** to return to the Main Menu.

Adding the Paragon II System Controller to CommandCenter

Once you have configured the Paragon II System Controller it can be added to CommandCenter. From there, you can add base-tier Paragon II UMTs, which will in turn add all tiered UMTs and auto discover UST-IP units and IP-Reach units with their associated user stations. You will be able to view and execute diagnostics and configuration commands on these devices, as well as access Paragon targets from within CommandCenter.

1. Launch and log on to CommandCenter as an Administrator.
2. Click on the **Devices** tab.
3. On the **Devices** menu, click **Device Manager**, and then click **Add Device**. The **Add Device** selection screen appears.

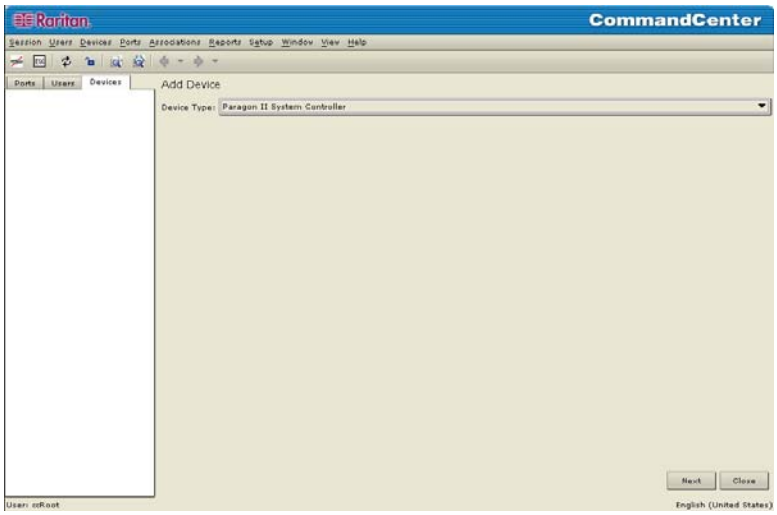

Figure 9 Add Device Selection Screen

4. Click on the **Device Type** drop-down arrow and select **Paragon II System Controller**.
5. Click **Next** to proceed to the **Add Device** description screen.

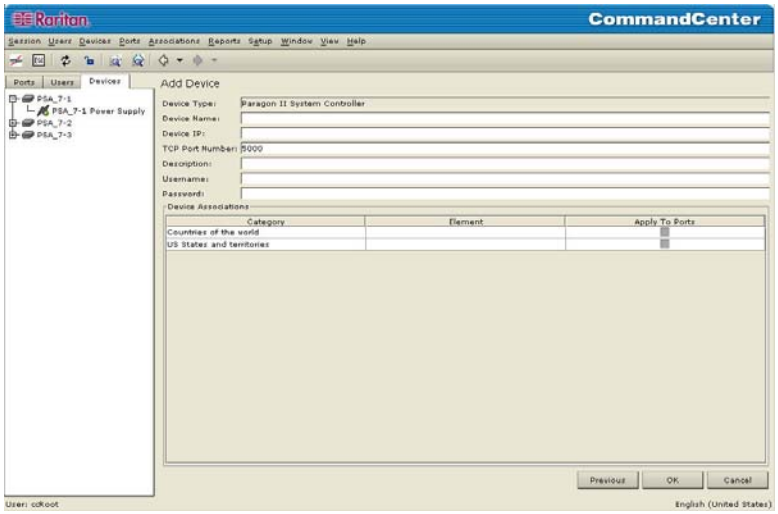

Figure 10 Add Device Screen for PIISC

6. Type the name of the PIISC unit in the **Device Name** field.
7. Type a description for the PIISC in the **Description** field.
8. Type the **Device IP** address as entered during configuration.
9. Type **admin** in the **Username** field.
10. Type **raritan** in the **Password** field.

11. Select a category and appropriate element from the **Device Associations** panel (please see the CommandCenter User Manual for more information on categories and elements).
12. Click **OK** to add the Paragon II System Controller. A **Device Created Successfully** message confirms that device has been added.
13. An icon representing your Paragon II System Controller unit appears in the Devices tree. Select the icon, right-click on it, and select **Launch Admin** from the shortcut menu.

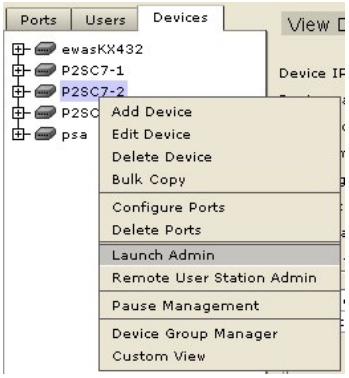

Figure 11 Launching the System Controller Admin

14. The System Controller Admin will launch, allowing you to add Paragon II Base UMTs to your Paragon II System Controller.

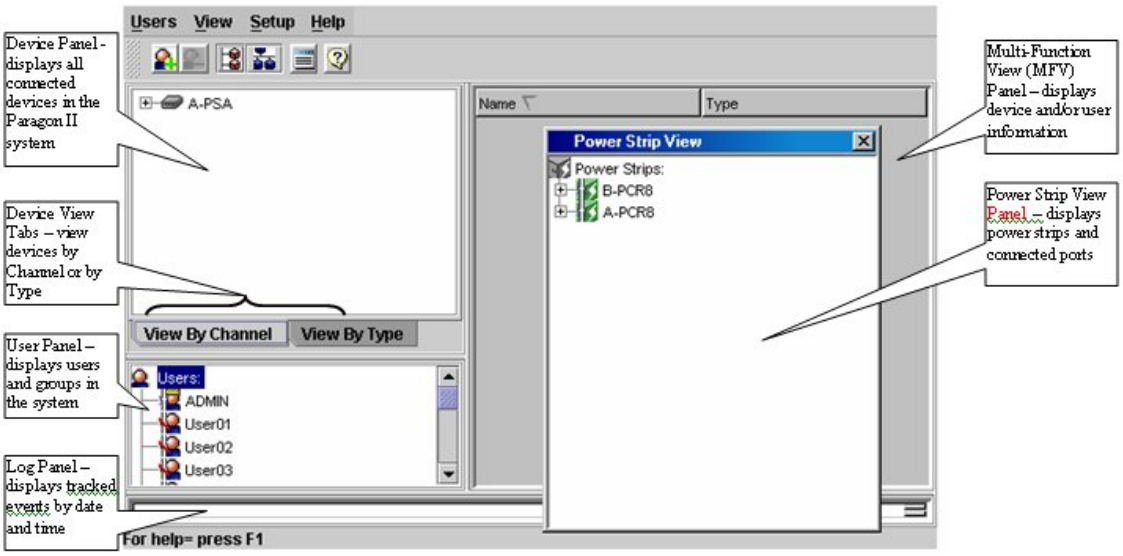
Users View Setup Help
Device Panel - displays all connected devices in the Paragon II system
A-PSA
Name
Type
Power Strip View
Power Strips:
B-PCR8
A-PCR8
Multi-Function View (MFV) Panel – displays device and/or user information
Power Strip View Panel – displays power strips and connected ports
Device View Tabs – view devices by Channel or by Type
View By Channel
View By Type
User Panel – displays users and groups in the system
Users:
ADMIN
User01
User02
User03
Log Panel – displays tracked events by date and time
For help= press F1

Figure 12 Paragon II System Controller Admin layout

15. On the **Setup** menu, click **Base UMTs**. The **Paragon System Configuration** screen appears.

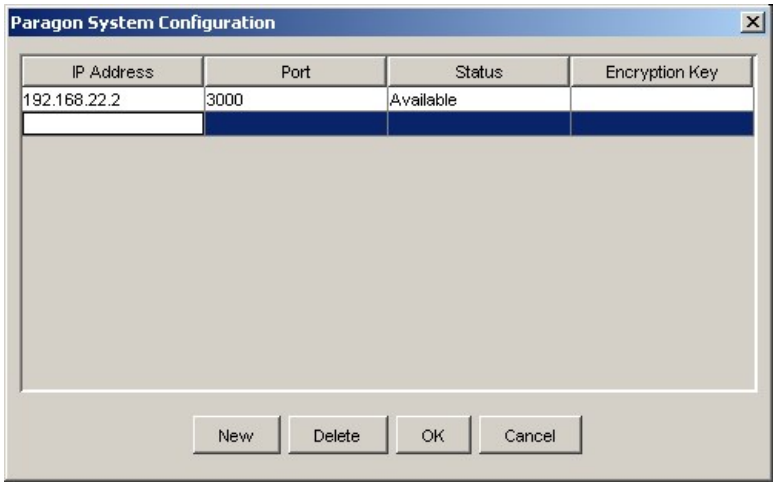

Figure 13 Adding a base UMT in the Paragon System Configuration Window

a. To add a new base UMT unit, click **New**. When the blank line appears in the table, click in the **IP Address** cell and type the IP address of the new base UMT unit. Press the **TAB** key on your keyboard to advance to the **Port** cell and type **3000** (the default value). The **Status** and **Encryption Key** cells will populate automatically. Click **OK** when finished to add the new base UMT unit to the table.

b. To delete any existing base UMTs, select the row of the unit you want to remove and click **Delete**. When you are finished deleting UMTs, click **OK**.

c. To close the **Configuration** window without saving any changes, click **Cancel**.

16. At this point you should name the devices connected to the added Paragon II units using the System Controller Admin (see **Chapter 2: Paragon II System Controller Admin, Device Panel, Channel Information Editor**). This will make it easier to identify target channels in the **Configure Ports** screen on CommandCenter.

17. Repeat steps 15 and 16 if you want to add more base-tier UMTs. Paragon II System Controller can accept up to 8 base UMTs, one at a time.

18. Exit the Paragon II System Controller Admin and return to CommandCenter.

19. In the CommandCenter Devices tree, select the Paragon II System Controller you just added. Right-click on the icon and select **Configure Ports** from the shortcut menu. All available ports in the Paragon system you just added will be listed.

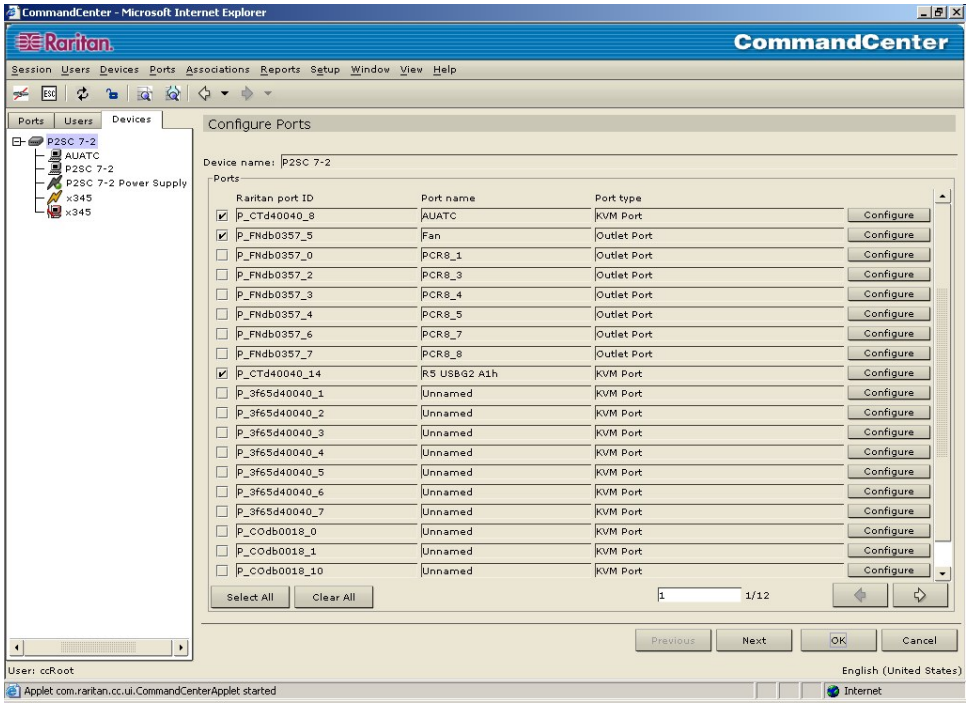

Figure 14 Adding ports from a Paragon II system

20. Select the ports you want to add to the device tree by clicking on the corresponding checkboxes (or select all of them at once with **Select All**), then click **OK.** The selected ports now appear in the Devices tree as branches of the Paragon II System Controller and act as any other CommandCenter target (i.e. associations and user access permissions are handled by CommandCenter. See the CommandCenter User Guide for detailed instructions on managing targets).

If you wish to add new ports to the Paragon II System Controller, or configure the attached Paragon II systems for local use, right-click on the PIISC device in the Devices tree, then select **Launch Admin** from the shortcut menu that appears. The Paragon II System Controller interface will launch in a new window. Please continue to **Chapter 2: Operation** in this manual to read more about how the Paragon II System Controller interface functions.

Chapter 2: Paragon II System Controller Admin

Customize the System Controller Admin Window

The Paragon II System Controller Admin window contains the System Controller menu bar and tool bar, the Device panel, User panel, Log panel, and Power Strip View window. You can customize your view by resizing panels or by viewing or hiding any of these components (except for the Device panel).

The Device panel displays all connected devices in your Paragon II system, and the User panel displays all users in your Paragon II system. The Log panel displays the current activity of the System Controller Admin. The Power Strip View panel displays any power strips configured in your Paragon configuration.

When you launch the Paragon II System Controller Admin, the program downloads the databases of the added Paragon II units and populates the Device, User, and Power Strip panels. All data from the Paragon IIs are visible in the PIISC Admin window. Once a session is initiated, updates to the database happen in real time and changes to the Paragon database from other users are immediately reflected in your Paragon II System Controller Admin screen.

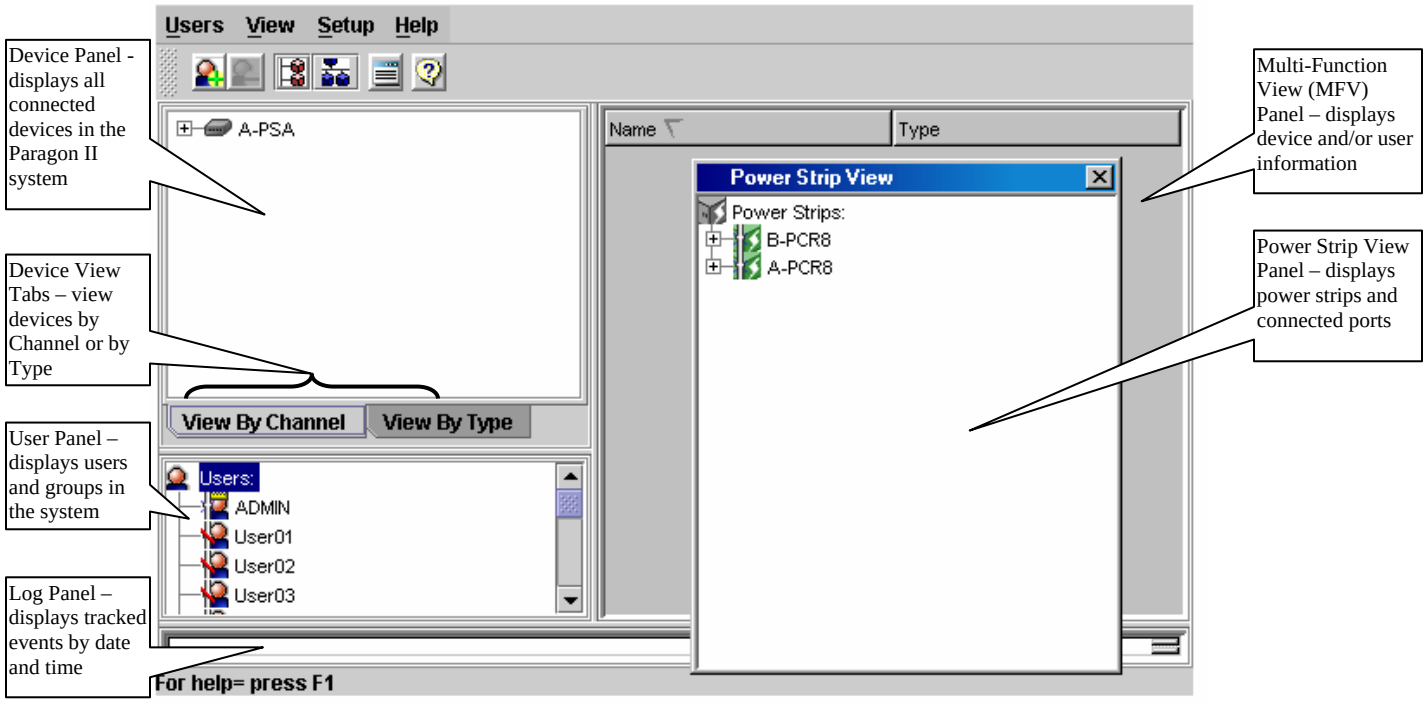
Users View Setup Help
Device Panel - displays all connected devices in the Paragon II system
A-PSA
Name
Type
Multi-Function View (MFV) Panel – displays device and/or user information
Power Strip View
Power Strips:
B-PCR8
A-PCR8
Power Strip View Panel – displays power strips and connected ports
Device View Tabs – view devices by Channel or by Type
View By Channel
View By Type
User Panel – displays users and groups in the system
Users:
ADMIN
User01
User02
User03
Log Panel – displays tracked events by date and time
For help= press F1

Figure 15 PIISC Admin Window

Display or hide any of these panels, except for the **Device** panel, by selecting options on the **View** menu; click on the desired panels in the menu to view or to hide them. A check mark before the menu item indicates that it is in view. By default, the **Device** panel cannot be hidden.

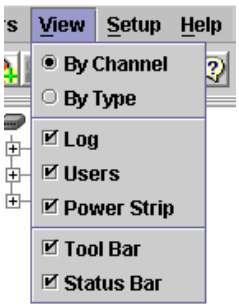

Figure 16 View Menu (check marks indicates panels in view)

Resize the window panels by resting your mouse cursor on the border of two panels until a double-headed arrow appears. Click and drag the arrow to size the panel up/down or left/right.

System Controller Admin Toolbar

The System Controller Admin toolbar displays several most commonly used commands as shortcut buttons in order to save you time. Some of the menu commands and toolbar shortcuts are also available by right-clicking on a User, Device, or Channel icon and selecting a command from the shortcut menu that appears.

Toolbar Shortcut Icons

BUTTON	COMMAND
	Add User: Adds a new user account in Paragon II System Controller Admin and the connected Paragon II system
	Delete User: Deletes the user selected in the User View window from Paragon II System Controller Admin and the connected Paragon II system
	View By Channel: Displays the devices in the Device panel by Channel
	View By Type: Displays the devices in the Device panel by Type
	Log File: Launches the Log Setting window for Administrators to configure event filters, event severity, and locations of saved log files

Multi Function View (MFV) Panel

The MFV panel of the screen displays detailed information of items you select in the Device panel, User panel, or Power Strip window and allows Administrators to edit item properties from this list.

If you select a device in the Device tree, the MFV displays target-related information: name, device type, security group, and device status. If you select a user in the User tree, the MFV displays user-related information: user name, Admin status, security group, scan rate, and connection information. If you select a power strip outlet, the MFV displays outlet name and connected device type.

Administrators can double-click on an entry in the MFV to activate the properties window for that entry, and modify data for devices, users, or outlets, as described in the respective sections of this chapter.

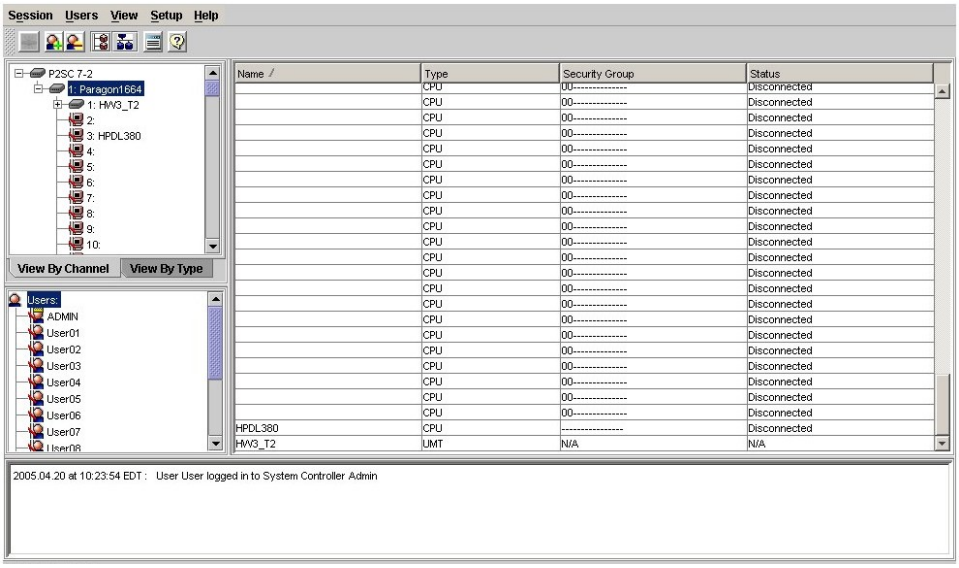

Figure 17 MFV Displaying Channel Data

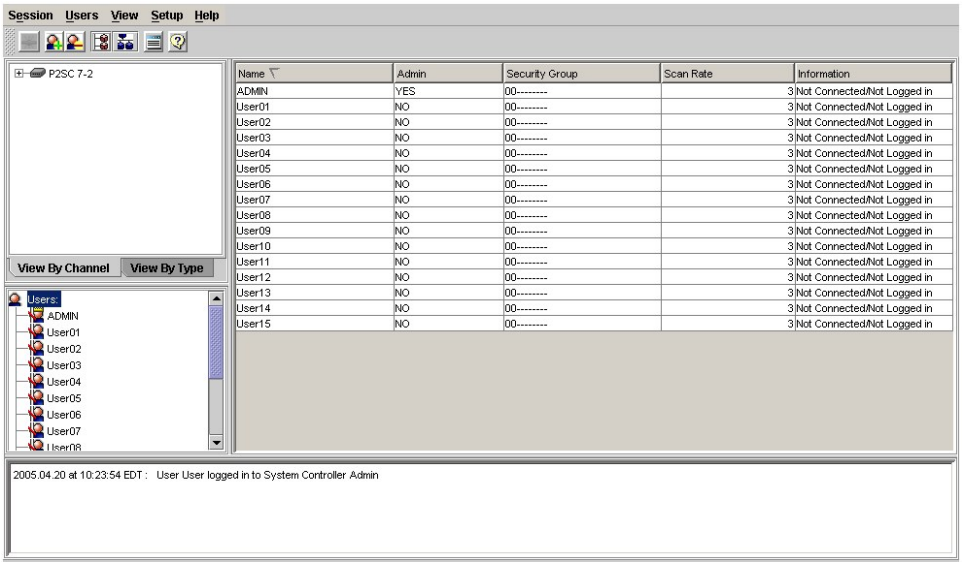
Session Users View Setup Help
P2SC 7-2
View By Channel
View By Type
Users:
ADMIN
User01
User02
User03
User04
User05
User06
User07
User08
Name
Admin
Security Group
Scan Rate
Information
ADMIN YES 00-------- 3 Not Connected/Not Logged in
User01 NO 00-------- 3 Not Connected/Not Logged in
User02 NO 00-------- 3 Not Connected/Not Logged in
User03 NO 00-------- 3 Not Connected/Not Logged in
User04 NO 00-------- 3 Not Connected/Not Logged in
User05 NO 00-------- 3 Not Connected/Not Logged in
User06 NO 00-------- 3 Not Connected/Not Logged in
User07 NO 00-------- 3 Not Connected/Not Logged in
User08 NO 00-------- 3 Not Connected/Not Logged in
User09 NO 00-------- 3 Not Connected/Not Logged in
User10 NO 00-------- 3 Not Connected/Not Logged in
User11 NO 00-------- 3 Not Connected/Not Logged in
User12 NO 00-------- 3 Not Connected/Not Logged in
User13 NO 00-------- 3 Not Connected/Not Logged in
User14 NO 00-------- 3 Not Connected/Not Logged in
User15 NO 00-------- 3 Not Connected/Not Logged in
2005.04.20 at 10:23:54 EDT : User User logged in to System Controller Admin

Figure 18 MFV Displaying User Data

Device Panel

The Device panel displays all devices connected to the Paragon II units added to your Paragon II System Controller. To make control easier, you can view devices by Channel or by Type by selecting one of the two tabs at the base of the Device Panel.

ICON	INDICATES:
	Power Strip outlet – power off (CPU)
	Power Strip outlet – power on (CPU)
	Power Strip outlet – power off (PWR)
	Power Strip outlet – power on (PWR)
	Channel Available
	Channel Available with one power strip outlet association
	Channel Available with multiple power strip outlet associations
	Channel Disconnected
	Channel Disconnected with one power strip outlet association
	Channel Disconnected with multiple power strip outlet associations
	PC Occupied by a user
	PC Occupied by a user with one power strip outlet association
	PC Occupied by a user with multiple power strip outlet associations
	Power Strip Connected

Device View

View by Channel

Click on the **View by Channel** tab to display devices in a hierarchical tree by channel. The icon at the top of the tree is the Paragon II System Controller in the configuration. Clicking on the + symbol next to this icon expands the tree to display all ***First Tier Paragon II*** devices that have been added to the system controller. Clicking on the + symbol next to a first tier device displays all devices connected to it, in port number order. Tiered switches appear as icons with the + symbol before them, and can also be expanded. Target servers appear as computer icons. Grey computer icons represent a target that is currently powered ON and blue computer icons represent a target that is powered ON and is currently occupied. Red computer icons represent a target that is currently off or disconnected.

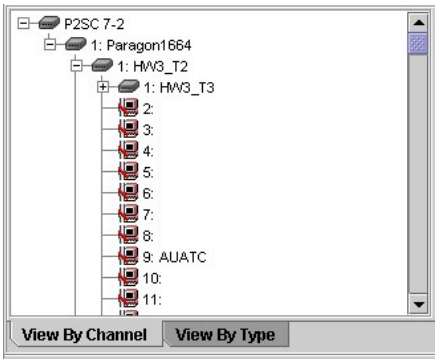

Figure 19 Device Tree - View by Channel

View by Type

Click on the **View by Type** tab to display devices in a hierarchical tree by device type. The three types of devices represented are Target Systems, Switches and Power Strips. A different symbol represents each type: Switches by a flat node, Target Devices by a grey computer and Power Strips by a lightening bolt. Clicking on the + symbol before each icon expands it to display all devices of that type in the configuration, displayed in alphabetical order.

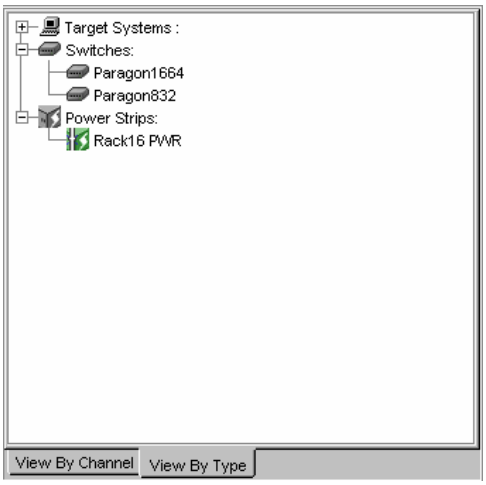

Figure 20 Device Tree - View by Type

Adding Paragon II Base UMTs to the System Controller

To add a Paragon II Base UMT to the device tree:

1. On the **Setup** menu, click **Base UMTs**. The **Paragon System Configuration** screen appears.

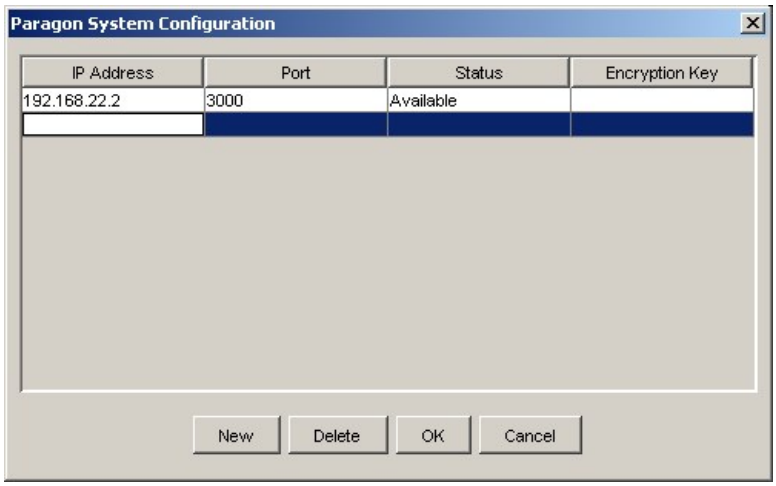

Figure 21 Paragon System Configuration window

2. To add a new base UMT unit, click **New**. When the blank line appears in the table, click in the **IP Address** cell and type the IP address of the new base UMT unit. Press the **TAB** key on your keyboard to advance to the **Port** cell. The default port is 3000. **Status** and **Encryption Key** populate automatically.
3. Click **OK** to add the new base UMT unit to the table
4. To delete any existing base UMTs, select the row of the unit you want to remove and click **Delete**.
5. To close the PIISC Configuration window, click **Cancel**.

Note: *A maximum of 8 base UMTs can be added to the Paragon II System Controller. Base UMTs should be added one at a time.*

Channel Information Editor

To view the properties or change the name of channel:

1. Select the target channel in the Device View window.
2. Right click on the highlighted channel and select **Property**. The **Channel Information Editor** appears.

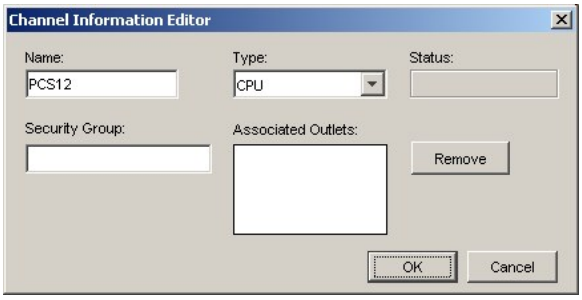

Figure 22 Channel Information Editor

- **Name:** Give the device on this channel a name.
- **Type:** Select what type of device this is, **CPU** for target servers or any of the Raritan PowerStrips or non-Paragon switches available in the list.

Depending on the **Type** selected, further information may be available in the window.

- **Status:** Displays the current status of a target device on this channel
- **Security Group:** The security groups the target device belongs to *(This only affects local Paragon access from outside of CommandCenter)*.
- **Associated Outlets:** Lists any power outlets associated with this target device. Select an outlet and click **Remove** to break an association.
- **Serial Number:** Displays the serial number of a non CPU type device.

3. Click **OK** to save your changes when done, or **Cancel** to exit without saving.

After saving the channel information, this device can be recognized by the given name in both the System Controller Admin and the CommandCenter **Configure Ports** screen

Log Panel

Edit Event Log Settings

The Log panel located at the base of the Paragon II System Controller Admin window displays events that occur in your Paragon II system. As an Administrator, you can record and configure standard events and message filters, and set severity levels for events, color-coding them for easier identification.

1. On the **Setup** menu, click **Log Setting**. The **Edit Log Setting** window appears.

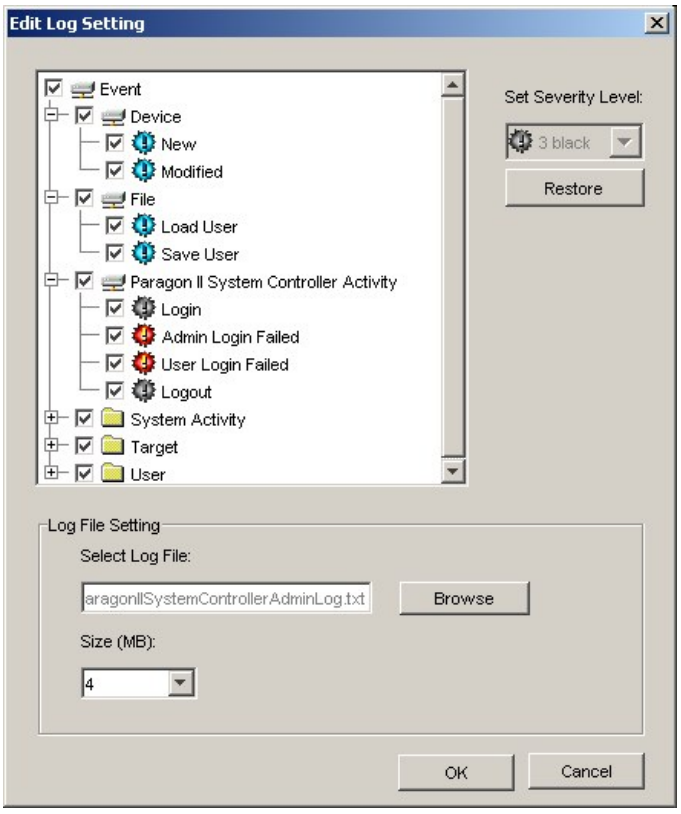

Figure 23 Edit Log Settings Window

2. Click on the + and – signs to expand and collapse the event tree in this window. Entries in the event tree are pre-determined events programmed into the System Controller Admin.
3. Click on the check box before an event to select and specify that event for recording in the log panel.
4. On the right side of the window, click on the **Set Severity Level** drop-down arrow and select a severity level for that event – levels are color-coordinated: high severity is represented by a red icon, medium severity is blue, and lowest severity is black. To restore the default levels for the events, click **Restore**.
5. In the Log File Setting panel, the location for saved log files appears in the **Select Log File** field. The default location is `C:/Documents and Settings/(username)`. To change the default location, click **Browse** and locate the folder in which you want to store log files.
6. Click on the **Size (MB)** drop-down arrow to select the file size limit (default limit is 4MB). Once the log file hits the size limit set in this field, System Controller Admin automatically creates a new log file and continues to store events.
7. Click **OK** to save the log settings, or click **Cancel** to close the window.

Power Strip Panel

The Power Strip panel is a mobile display of Raritan Remote Power Control Strips connected to your Paragon II system. Each node in the Power Strip tree represents a power strip, and you can click on the + and – signs to expand and collapse the view of devices plugged into each of the serially-controlled Power Strip outlets. If the Power Strip View panel is not visible, on the **View** menu, click **Power Strip**.

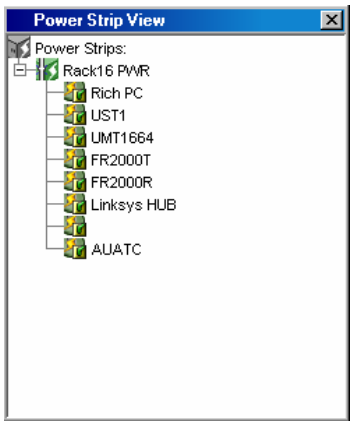

Figure 24 Power Strip View Window

The Paragon II System Controller Admin automatically detects Raritan Power Strips connected to any Paragon II system you add. Click on any Power Strip in the tree to view its outlets. Click on the + and – signs to expand and collapse the view. Right click on any Power Strip outlet to view its properties.

Editing Power Strips and Power Outlets

To organize the Power Strips in your Paragon II configuration and to keep track of the machines to which they are connected, you may want to name the Power Strips and outlets.

1. Right-click on any Power Strip icon and select **Property** to view its properties. The **Power Strip Information Editor** appears.

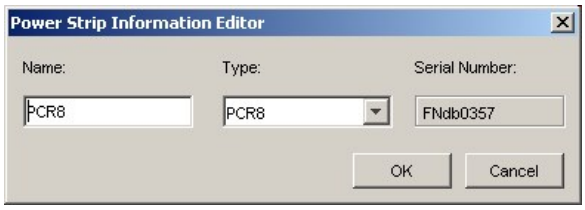

Figure 25 Power Strip Information Editor

2. If needed, type a new name for the Power Strip in the **Name** field.
3. Select the type of Power Strip under **Type** if the type displayed is not correct.
4. Click **OK** to save the changes or click **Cancel** to close the window.

5. Expand the Power Strip tree and double-click on any Outlet icon to view its properties. The **Outlet Information** window appears.

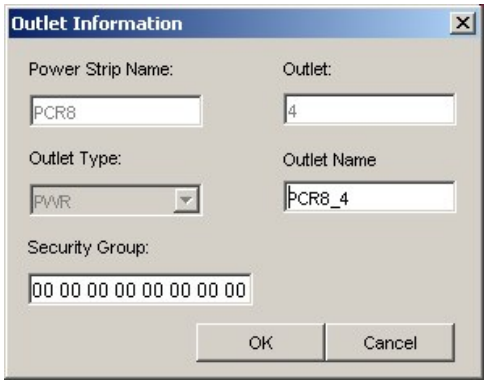

Figure 26 Outlet Information Window

6. The name of the Power Strip it belongs to and the number of this Outlet appears in the **Power Strip Name** and **Outlet** fields.
7. Type a name for the outlet in the **Outlet Name** field.
8. Enter the Security Group settings in the **Security Group** field.
9. Click **OK** to save the changes, or click **Cancel** to close the window.

***Note**: Because the Power Strip cannot detect what device type is associated with a specific outlet through the power cables, outlet associations must be created manually before an outlet can indicate to what type of device it supplies power.*

Power Strip Outlet Associations

You can assign specific devices to unassigned Power Strip Outlets from the System Controller Admin interface.

1. Ensure that the Power Strip View window is in view. Expand the Power Strip tree so you can see the outlet to which you plan to assign the selected device.
2. Click on a device in the Device panel and simply drag this device to the selected outlet icon.

3. When you release the device, you will be asked to confirm the association of the device to this specific outlet. Click **Yes** to complete the association or **No** to cancel it.

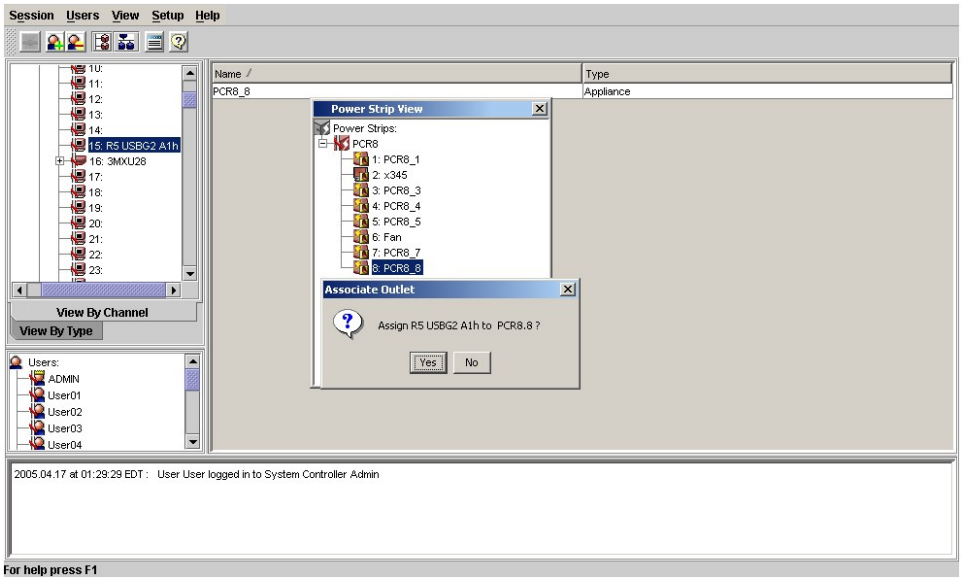

Figure 27 Associating a Device with a Power Outlet

4. The device is now associated with that outlet, and you can control the power status from a local Paragon II user station, RRC, or CommandCenter. To dissociate power outlets from a device, see **Channel Information Editor** earlier in this chapter.

***Note**: For devices with redundant power supplies, one device can be associated with up to four outlets*

User Panel

The User panel displays users stored on the configured Paragon II systems and displays each user's profile.

Double-click on a user to display the User Information window. As Administrator, you can change account properties for users selected in this window.

Note: *User accounts and permissions for users accessing Paragon II via CommandCenter are handled within CommandCenter itself, as with any other device. Using the System Controller Admin to Add, Edit or Delete user accounts only affects those users accessing the Paragon II system through the local, analog user stations.*

ICON	INDICATES:
	Admin logged in and Connected
	Admin logged in and Disconnected
	Admin logged out and Disconnected
	User logged in and Connected
	User logged in and Disconnected
	User logged out and Disconnected

Create a User

1. On the **Users** menu, click **Create**. The **Add User** window appears.

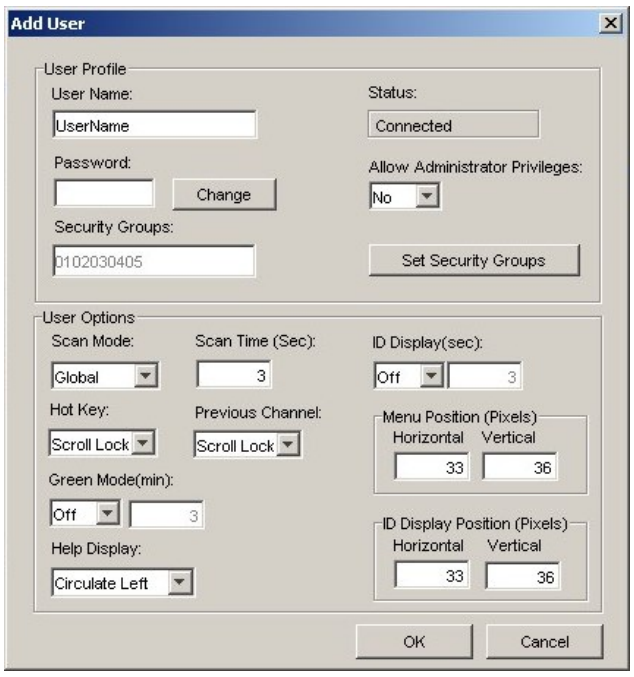

Figure 28 Add User Window

2. Type the new user's name in the **User Name** field.

3. Click **Change** and the **Change Password** window appears. Type a new password in the **Enter New Password** field, then re-type the password in the **Repeat Password** field. Click **OK** when finished.

Figure 29 Change Password Window

4. The **Security Groups** field is automatically populated, based on the defaults of the Paragon II system to which you are connected. To change the assigned **Security Groups**, click **Set Security Group** and change the default groups (please consult your Paragon II User Guide for more information on Security Groups).
5. Click on the **Allow Administrator Privileges** drop-down arrow and select an option from the list.
6. In the User Options panel, click on the **Scan Mode** drop-down arrow and select the scan mode for this user. Global scan mode, the default, scans each channel for the same amount of time (default time = three seconds), and Individual scan mode scans each channel for a specified time you type in. To change the number of seconds for either type of scan, type the new duration of seconds in the **Scan Time (Sec)** field.
7. Click on the **Hot Key** drop-down arrow and select a key from the list. When you press this key twice rapidly on any user station in your Paragon II configuration, the Paragon navigation window will appear. Note that this option is *set* in the Paragon II System Controller Admin, but is *used* anywhere in the Paragon II system.
8. Click on the **Previous Channel** drop-down arrow and select a key from the list. When you press this key on any user station in your Paragon II configuration, the channel previously viewed will appear. Choose **None** to override this capability. Note that this option is *set* in the System Controller Admin, but is *used* anywhere in the Paragon II system.
9. Click on the **Green Mode (min)** drop-down arrow and turn Green Mode (Powersave mode) Off or On. If you select **On**, type in the number of minutes after which, if there is no keyboard or mouse activity, the user station monitor goes blank.
10. Click on the **Help Display** drop-down arrow to select how you want to view the Paragon help screen when activated from any user station in your Paragon II configuration. Help text can be active, scrolling across your screen from right to left, or it can be displayed in a single line.
11. Click on the **ID Display (sec)** drop-down arrow to turn the ID display Off or On. If you select **On**, the ID Display will remain on the user station monitor for the number of seconds you type into the next field.
12. In the **Menu Position** and **ID Display Position** panels, enter the **Horizontal** and **Vertical** placement of the menu on any of the user station monitors in your Paragon II configuration.
13. Click **OK** when finished, or click **Cancel** to exit without adding a new user.

Delete a User

Deleting a user in the System Controller Admin deletes the user account from the System Controller screen and from the configured Paragon II system.

1. In the User panel, click on the user you want to delete.
2. On the **Users** menu, click **Delete**. A **Confirm User Delete** window appears.
3. Click **Yes** to delete the user or click **No** to close the window without deleting.

***Note**: The **Admin** user cannot be deleted.*

View User Properties

Administrators can modify user properties from the System Controller Admin interface as needed.

1. In the User panel, click on the user whose properties you want to modify.
2. On the **Users** menu, click **Property**. The **User Information** window appears.

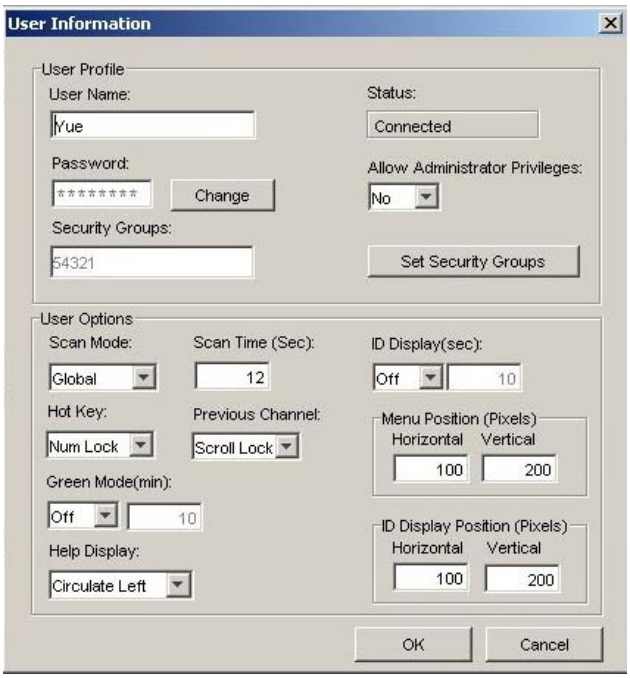

Figure 30 User Information Window

3. Change any of the user's properties, according to the guidelines just outlined in the section *Create a User*.
4. When finished, click **OK** to change the user properties or click **Cancel** to close the window.

Save User Profile

As an Administrator, you can back up the User Database of the configured Paragon II system to your local computer using the **Save Profiles** command.

1. On the **Users** menu, click **Save Profiles**. The **Select Destination Path** window appears.

Figure 31 Select Destination Path Window

2. Browse through the local system until you find the location where you want to save the User Profiles. Type the name of the file in the **File Name** field and click **Save**. A confirmation window will display the path to the folder and file you just chose. Click **OK** to close the window.

Load User Profile

Use the Load Profiles command to restore previously backed-up Paragon User profiles.

1. On the **Users** menu, click **Load Profiles**. The **Confirm Load User Profile** window appears.

Confirm Load User Profile
Loading user profile will delete existing user profiles.
Please save the user profiles before loading.
Do you want to continue loading?
Yes
No

Figure 32 Confirm Load User Profile Window

2. Click **Yes** to load existing user profiles, or click **No** to exit the window.

***Note**: If you load a user profile for a user that currently exists in the Paragon II system, the restored profile will replace the current profile.*

Important: The Load Profiles command can be used to restore previously saved Paragon Overview system database files (*.mxd files) from an older Paragon HW3 configuration.

Disconnect and Exit System Controller Admin

Close the browser window containing **Paragon II System Controller Admin**, to end the session and return you to CommandCenter.

Appendix A: Configuring Attached IP-Reach and USTIP Units

Raritan IP-Reach and UST-IP devices provide the Remote KVM access to CommandCenter from the Paragon II systems they are physically connected to. These devices should have been configured according to their User Guides. However, if they need to be reconfigured for some reason, this can easily be done through CommandCenter once the Paragon systems they are a part of have been added:

1. Click on the **Devices** tab in Command Center.
2. Right click on the Paragon II System Controller icon that represents the Paragon II system in question and select **Remote User Station Admin**.

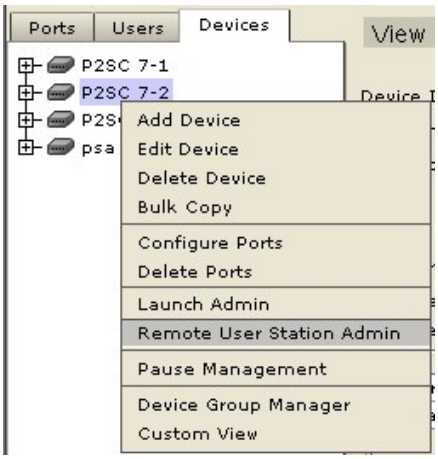

Figure 33 Launching the Admin utility for an attached KVM over IP device

3. CommandCenter will display a list of IP-Reach and UST-IP units that are providing KVM over IP access for the Paragon II system. Click the **Launch Admin** button next to the KVM over IP device you want to configure.

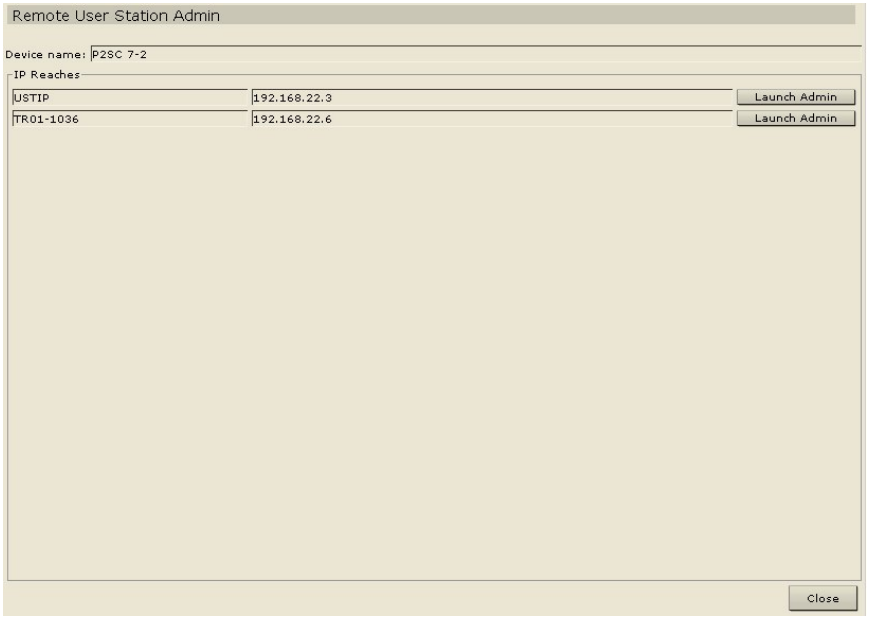

Figure 34 A list of KVM over IP devices used by the Paragon II System Controller

4. A KVM window will appear and display the Configuration menu for the IP-Reach or UST-IP unit providing access.

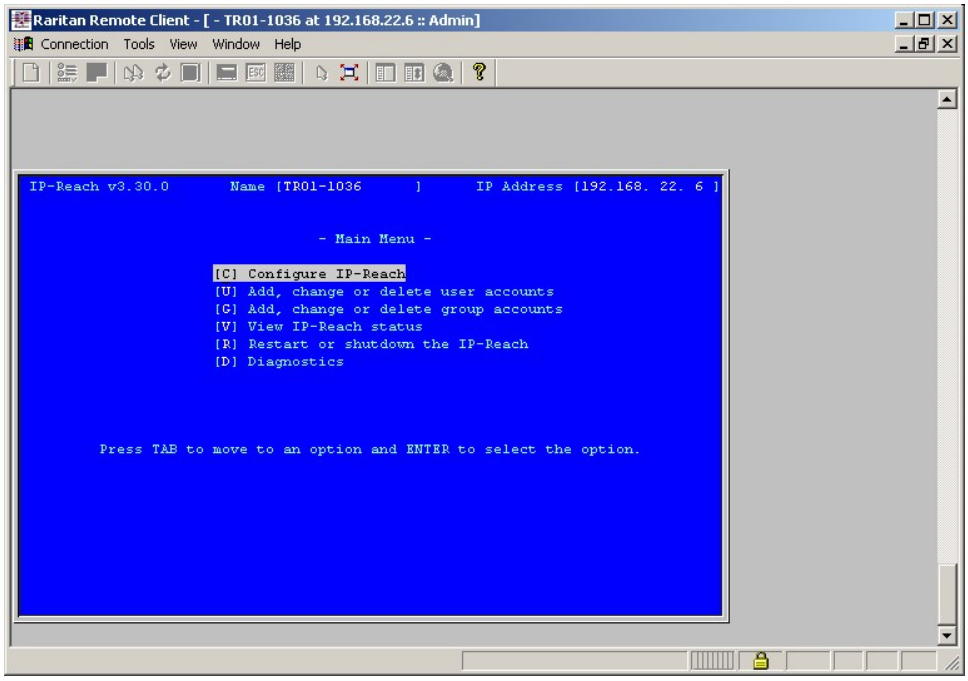
Raritan Remote Client - [- TR01-1036 at 192.168.22.6 :: Admin]
Connection Tools View Window Help
IP-Reach v3.30.0 Name [TR01-1036] IP Address [192.168. 22. 6]
- Main Menu -
[C] Configure IP-Reach
[U] Add, change or delete user accounts
[G] Add, change or delete group accounts
[V] View IP-Reach status
[R] Restart or shutdown the IP-Reach
[D] Diagnostics
Press TAB to move to an option and ENTER to select the option.

Figure 35 The Admin screen for a selected KVM over IP Device

5. Set the desired device configurations for this unit. Refer to your IP-Reach or UST-IP user guide for more specific instructions.

Appendix B: Device Backup and Restore

Like any other managed Raritan device, CommandCenter can backup and restore the device configuration of a Paragon II System Controller that has been added to the system. When this is done, it also backs up the device configuration and user configuration of the Paragon II systems it manages.

Backup a Paragon II System Controller:

1. Click on the **Devices** tab in CommandCenter and select the PIISC unit you want to backup.
2. On the **Device** menu, click **Device Manager** then **Backup Device Configuration**.
3. The **Backup Device Configuration** screen appears.

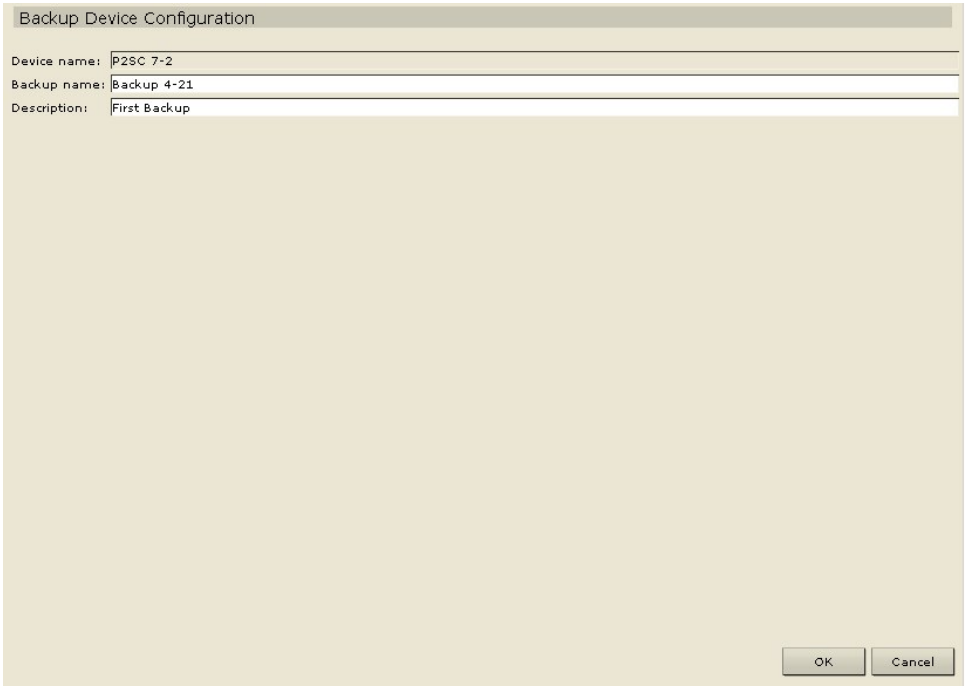

Figure 36 Backup Device Screen

4. Enter a name and description for the backup file in the **Backup Name** and **Description** fields.
5. Click **OK** to backup the Paragon II System Controller configuration to CommandCenter.

Restore a Paragon II System Controller:

1. Click on the **Devices** tab in CommandCenter and select the PIISC unit you want to restore.
2. On the **Device** menu, click **Device Manager** then **Restore Device Configuration**.
3. The **Backup Device Configuration** screen appears.

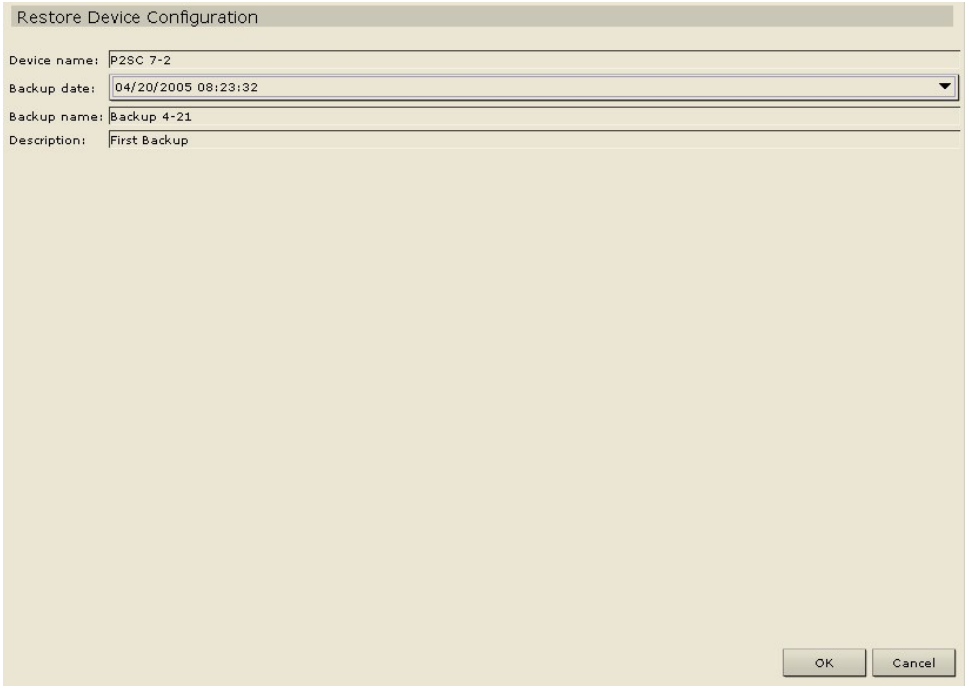

Figure 37 Restore Device Screen

4. Using the **Backup Date** dropdown menu, select the date of the backup you want to restore to. The corresponding name and description will appear in the **Backup Name** and **Description** fields for verification.
5. Click **OK**.
6. A confirmation dialog appears informing you that the Paragon II System Controller must be restarted after the restore. Click **Yes** to restore the configuration and restart the device or **No** to cancel without restoring.

***Note**: The restore feature can only be used to restore a configuration to the device that generated the backup. It **CANNOT** be used to restore the device configuration from one Paragon II System Controller to another.*

Appendix C: Upgrading Paragon II System Controller

CommandCenter can also update the firmware of your Paragon II System Controller and the Raritan devices it manages. This is performed the same way any other managed device is upgraded, and the firmware must be added to CommandCenter beforehand (see **Chapter 5: Administration Tools, Firmware Manager** in your **CommandCenter** manual for adding new firmware).

1. Click on the **Devices** tab in CommandCenter, then select the Paragon II System Controller you want to upgrade.
2. From the **Devices** menu, click **Device Manager** then **Upgrade Device**. The **Upgrade Devices** screen appears.

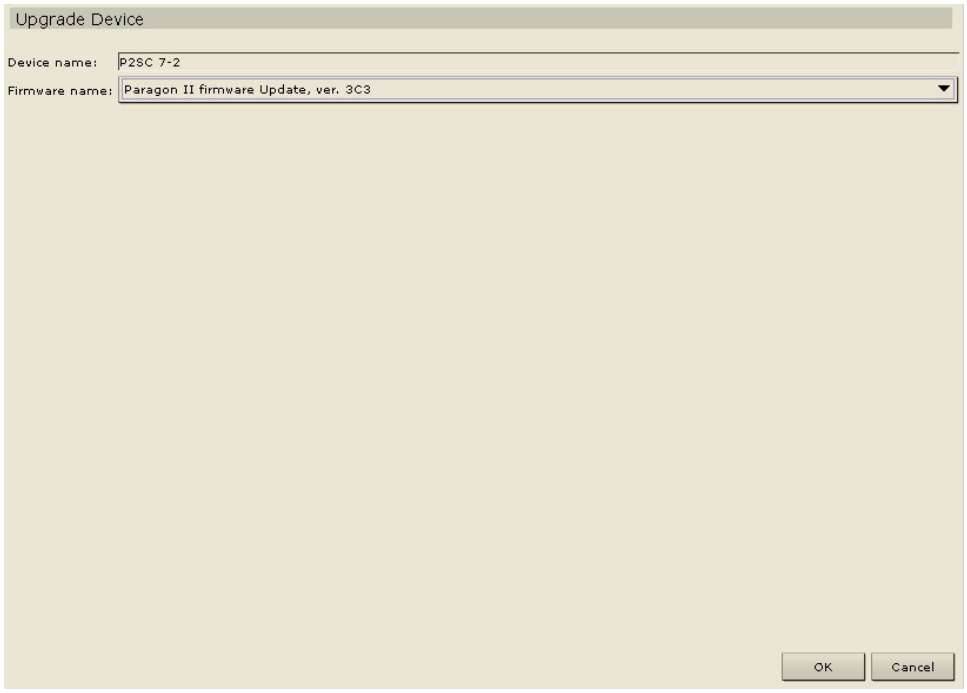

Figure 38 Upgrade Devices Screen

3. Click on the **Firmware Name** drop down arrow and select firmware package you want to update your device to.

   Depending on the firmware package that was added to CommandCenter you may also see firmware updates for **Paragon II**, **IP-Reach** or **UST-IP** devices. Select these updates to upgrade the Paragon II, IP-Reach or UST-IP devices managed by the Paragon II System Controller.

Note: *Only base-tier UMT devices added to a PIISC can be updated through the CommandCenter. If the Paragon II system contains multiple tiers, we suggest removing the upper tiers and upgrading those Paragon units using the Paragon Update software.*

4. Click **OK**.
5. A confirmation dialog appears informing you that the device must be restarted to complete the upgrade. Click **Yes** to upgrade the device and restart it, or **No** to cancel without upgrading.

Appendix D: FAQs

QUESTION	ANSWER
How do I add new users?	On the **User** menu, click **Create** (or on the toolbar, click Create User). When the Add User window appears, type the new user name and new password and configure other options as needed. Click [**OK**] to save user.
How do I modify existing users?	Double-click on the user icon in the User panel. When the User Properties window appears, modify the properties. Click [**OK**] to save changes.
How can I view / modify target data?	Select the **View By Channel** tab in the Device panel, expand the tree if necessary, and double-click on the target. When the Target Information window appears, modify the information as needed. Click [**OK**] to save changes.
How do I edit switch properties? (Switches are a little different, since each switch will form an expandable node in a View By Channel window. Thus, if you double click on a switch there, you will expand the node and show a list of targets underneath.)	Select the **View By Type** tab in the Device panel, expand the tree if necessary, and double click on the switch. When the Switch Properties window appears, edit the switch name or model type from the pull-down list (these are the only editable fields). Click [**OK**] to save changes.
How do I associate target servers with outlets?	Activate the Power Strip View window and expand the tree to view the power strip the device is connected to. When that power strip's outlets appear, drag the icon representing the target server from the Device panel to the icon representing the outlet in the Power Strip View window. The outlet's type will automatically reset to "CPU" and the outlet will be renamed to reflect the new target now associated with it. ***Please Note**: Any single device can be associated with up to four power outlets. Once a device is associated with a power outlet, a small black power cord icon is placed next to its icon in the device view window. Devices with two or more associated outlets will show two power cord icons.*
How do I configure the Events Filter?	On the **Setup** menu, click **Log Settings**. A node window appears. Each of the nodes represents a category of events the Paragon II system can report. Expand a node to display a list of specific alerts that fall under that category, each with its own checkbox. Click the checkboxes next to the events for which you want to receive notice and uncheck the events you do not want to see. The drop down list on the right of the window offers Administrators the ability to set severity levels for events. Select an event in the tree, and then select a severity level from the list. Severity is listed on a scale of 1-3. Under Log File Setting, configure the path of the log files being saved, and the maximum size of the log file. Once the log file's max sized has been reached, PIISC Admin will create a new log file to continue the logging process. Click [**OK**] to save changes or click [**Restore**] to return PIISC Admin to its previous configuration.
How do I resize / hide View panels?	To resize View panels, hover your mouse cursor at the edge of that window until it becomes a double-pointed arrow. Drag up/down or

QUESTION	ANSWER
	left/right to resize the window. To hide panels, on the **View** menu, select the panel you want hidden. Unchecked windows are hidden from view. To view a panel again, on the **View** menu, select the panel you want to display. Please remember that you can hide *only* the User panel, Log panel, and Power Strip View window, and not the Device or the MFV panels.